



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,756	02/12/2002	Glenn Starkey	26814/93146	7577
23644	7590	11/20/2003		EXAMINER
BARNES & THORNBURG				HEITBRINK, TIMOTHY W
P.O. BOX 2786				
CHICAGO, IL 60690-2786				
			ART UNIT	PAPER NUMBER
			1722	4

DATE MAILED: 11/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/049,756	STARKEY, GLENN
Examiner	Art Unit	
Tim Heitbrink	1722	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 03 November 2003.

2a)  This action is **FINAL**.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## **Disposition of Claims**

4)  Claim(s) 1-22 is/are pending in the application.  
4a) Of the above claim(s) 16-20 is/are withdrawn from consideration.

5)  Claim(s) 22 is/are allowed.

6)  Claim(s) 1-15 and 21 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on 12 February 2002 is/are: a)  accepted or b)  objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All b)  Some \* c)  None of:

1.  Certified copies of the priority documents have been received.
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

13)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

a)  The translation of the foreign language provisional application has been received.

14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

1)  Notice of References Cited (PTO-892) 4)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_ .  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948) 5)  Notice of Informal Patent Application (PTO-152)  
3)  Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_ . 6)  Other: \_\_\_\_ .

The disclosure is objected to because of the following informalities: part of page 9 is missing, starting on line 25; page 8, line 10 after "that" --a-- should be inserted; "core pin bore 14" (page 8, line 21) or "sleeve bore 14" (page 8, lines 18,19); "aperture 59" (page 10, line 7) or "head 59" (page 10, line 9); "mounting plate 53" (page 10, line 4) or "large rectangular plate 55" (page 10, lines 13,14); "plug shoulder bore 20" (page 8, lines 20,27) or "shoulder bore 20" (page 9, line 20); "plug bore 84" (page 14, line 22) or "single aperture 84" (page 14, line 24). Appropriate correction is required.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: "press piece 43a" (page 7, lines 13,17); "molded article 46" (page 7, line 13); "hollow sleeve 37" (page 7, line 19) not shown in Fig.9 but shown in Fig. 14 as part of molded product and shown in Fig. 2 as a sleeve; "plug bore 13" (page 8, lines 19,24); "plug shoulder bore 20" (page 8, lines 20,27); "cylindrical surface 16" (page 8, line 24); "body 27" (page 9, line 11); "plug head 21" (page 9, line 12); "mounting plate 55" (page 10, line 4). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: 3b,6,8,19,25,28,37,43,43c,47,49,53,56,59,61,64,67,68,69,71. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid

abandonment of the application. The objection to the drawings will not be held in abeyance.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-10, 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 1 and 6, the width of the lip (last line claim 1 and lines 1,12 claim 6) reads on zero. On line 7 of claim 1, "and" should be changed to --an--.

In claim 5, proper antecedent basis is needed for "said coating." The Examiner suggests having claim 5 depend upon claim 4.

Claims 2 and 8 are objected to under 37 CFR 1.75 as being a substantial duplicate of claim 1. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

In claim 21, line 1, "the" should be omitted.

Claims 12-15 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. It is not seen how the mold component further limits the mounting plug.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 11-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Gellert et al.

Gellert et al. in Fig. 2 shows a screw 12 forming a mounting plug comprising a base having a shoulder, a threaded exterior surface, a driving surface and a mold component contacting surface.

Claims 1-12 and 21 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

The above claims define over the prior art since the prior art fails to disclose or suggest an ejector sleeve having a base portion, a tube portion and a lip having a width greater than zero and less than forth thousands of an inch as well as a sleeve extension as set forth in claim 21.

Claim 22 defines over the prior art since the prior art fails to disclose or suggest the ejector plate, ejector pin and retaining plug as set forth therein.

Applicant's election with traverse of claims 16-20 in Paper No. 5 is acknowledged. The traversal is on the ground(s) that the search of the method and

Art Unit: 1722

apparatus claims overlap. This is not found persuasive because the parts of the apparatus can be made by another process other than machining, such as casting.

The requirement is still deemed proper and is therefore made FINAL.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim Heitbrink whose telephone number is 703-308-3789. The examiner can normally be reached on Tuesday-Friday 5:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda Walker can be reached on 703-308-0457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9310.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.



Tim Heitbrink  
Primary Examiner  
Art Unit 1722

twh

11/18-03